MIXOVIT® A
Solution for oral administration

Description
Dark brown solution.
Composition
100 ml of the additive contains:
active ingredients: vitamin A – 1 000 000 IU; vitamin D_3 – 100 000 IU; vitamin E – 1 500 mg; vitamin B_1 – 200 mg; vitamin B_2 – 300 mg; vitamin B_6 – 200 mg; vitamin B_{12} – 3000 μg; vitamin C – 2 000 mg; vitamin K_3 – 200 mg; calcium pantothenate – 800 mg; nicotinamide – 2 000 mg;
excipient - purified water up to 100 ml.
Pharmacological properties
The effect of the feed additive Mixovit ® A is a collective effect of its components.
Vitamin B_1 is required for oxidative decarboxylation of keto acids, synthesis of acetylcholine, carbohydrate, energy, lipid, protein, water-salt metabolisms, it regulates functioning of nervous system, participates in hematopoiesis, increases growth and weight gaining rates, improves appetite.
Vitamin B_2 is a part of the oxidation-reducing enzymes of the processes of biological oxidation and energy formation.
Vitamin B_6 participates in metabolism of proteins, lipids and carbohydrates, synthesis of adrenaline, serotonin and other neurotransmitters; breakdown of glycogen and metabolism of amino acids.
Vitamin B_{12} has a lipotropic effect. It increases cell oxygen consumption during acute and chronic hypoxia, boosts immunity and regulates functions of blood hematopoietic organs.
Vitamin C is a natural antioxidant. It participates in regulation of oxidation- reduction processes, regulates the blood clotting capacity, normalizes capillary permeability and has anti-inflammatory and antiallergenic effects.
Vitamin K_3 regulates blood clotting processes in the body; is required for regular functioning of liver cells.
Calcium pantothenate participates in metabolism of carbohydrates and lipids and synthesis of acetylcholine.
Nicotinamide is present in hydrogen-transferring enzymes, which causes its involvement into cell breathing reactions and metabolism.
Vitamin A participates in oxidation-reduction processes, regulates protein synthesis, facilitates metabolism normalization, functioning of cell and subcell membranes. It is important for formation of bones and teeth as well as fat deposits; is required for growth of new cells and aging mitigation.
Primary function of *vitamin D_3* consists in support of normal bone growth and development, prevention of rickets and osteoporosis. It regulates mineral metabolism and facilitates deposition of calcium in bone tissue and dentine, thereby preventing osteomalacia (softening) of bones, participates in biosynthesis of heme and proteins, proliferation of cells, cellular respiration and other metabolic processes in cells.
Administration
The additive is prescribed to supplement animal diet with vitamins, to increase general body resistance, to stimulate metabolism in stresses during transportation, dietary changes, vaccination etc., to increase growth and weight gaining rate during fattening. The feed additive improves the feed conversion ratio due to stimulation of digestion processes and increases uptake of nutrients.
Dosage
Administer orally to hens, turkeys, cattle and small cattle, swine, horses with drinking water in the following doses:
- 0.5-1 ml of the feed additive per 1 l of drinking water (0.5-1 l of the feed additive per 1 ton of water) daily for 3-7 days;
- 1-2 ml of the feed additive per 1 kg of feed (1-2 l of the feed additive per 1 ton of feed) daily for 3-7 days.
Contraindications
No contraindications.

Precautions

Do not prescribe Mixovit® A to animals with hypersensitivity to its components. It is necessary that the vitamin contents in dietary components be taken into account throughout the whole administration period.

Packaging

Cardboard boxes with 10 vials of 10 ml each, plastic vials of 1000 ml , plastic cans of 5 l.

Storage

Store in transportation packaging in covered warehouses. Store in a dry, dark place at 5-30°C.

Shelf life

2 years.

24 hours after dissolution in water or addition to feed.